

CAE in India

Overview

CAE is a world leader in providing simulation and modelling technologies and integrated training solutions for the civil aviation industry and defence forces around the globe. CAE's corporate headquarters is in Montreal, Canada and the company employs approximately 8,000 people at more than 100 sites and training locations in approximately 30 countries. Through its global network of more than 45 civil aviation, military, and helicopter training centres, CAE trains more than 100,000 crewmembers yearly. CAE has established regional operations in key markets around the world to better serve customers from a local base while still leveraging the global breadth and capability of the entire company. One of these regional operations is based in India.

CAE in India

CAE has a significant presence in India that today includes more than 300 CAE employees and another 300+ staff under CAE management serving both the defence and civil aviation markets. Some of CAE's key initiatives undertaken over the past several years to reinforce its commitment to the Indian market include:

- Acquired Macmet Technologies Private Limited in 2007 (now CAE India Private Limited), the leading simulation and training company in Bangalore, India;
- Established CAE Simulation Technologies in Bangalore, a company specialized in software development for the simulation industry worldwide;
- Established a joint venture called the Helicopter Academy to Train by Simulation of Flying (HATSOFF), which is equally-owned by Hindustan Aeronautics Limited (HAL) and CAE, to train military and civilian helicopter pilots;
- Established CAE Rossell, a joint venture company owned 74 percent by Rossell India Ltd. and 26 percent by CAE to provide synthetic training solutions for the Indian defence market while meeting offset criteria for Indian defence programs;
- Developed India's first independent commercial pilot training centre in Bangalore to train Airbus A320 and Boeing 737 airline pilots;
- In partnership with the Ministry of Civil Aviation and Airports Authority of India (AAI), established the CAE Oxford Aviation Academy Gondia for ab initio pilot training;
- Managing CAE Oxford Aviation Academy Rae Bareilly on behalf of the Ministry of Civil Aviation.
- Establishing CAE Training and Services Greater Noida, Delhi. A new commercial pilot training centre formed as a joint venture of CAE and InterGlobe that will open in India's Capital Region in 2013.



CAE India Private Limited

CAE India Pvt Ltd has more than 20 years of experience in the field of simulation and has been providing leading edge solutions to India's defence forces for more than two decades. CAE India's products are designed and developed using state-of-the-art simulation technologies and are passed through rigid quality processes.

With a clear focus on the defence sector, CAE India continually endeavors to provide solutions based on leading edge simulation technology for all software and system integration assignments pertinent to these sectors. CAE India specializes in the fields of modelling and simulation software, real-time systems, and simulation-based training systems. CAE India leverages the full breadth of CAE's global capabilities and world-class simulation technology leadership.

Current and completed defence programs:

- BMP-II Integrated Missile Simulator;
- MiG-21M Fixed-Based Full Mission Simulator;
- Driver Simulator for Arjun Main Battle Tank (MBT);
- Jaguar Simulator Upgrade;
- Visual database development services for various simulation projects;
- Wargaming constructive simulation applications
- Upgrade of Sea Harrier Simulator for Indian Navy;
- Action Speed Tactical Trainer (ASTT) for Indian Navy;
- Arjun MBT Gunnery Training Simulators (GTS);
- AN-32 Flight Training Device for Indian Air Force;
- Computer-Based Training (CBT) for UAV operations for Indian Army;
- Agastya Gunnery Procedure Trainers;
- Cheetah helicopter Full Mission Simulator for Indian Army;
- MiG-27 Part Task Trainer for Indian Air Force;
- Jaguar Simulator Upgrade for the Indian Air Force;
- Dornier DO-228 Flight Training Device for the Indian Air Force;
- Burya Ship Handling Simulator for the Indian Navy.
- Providing a range of training support and maintenance services for the Indian defence forces, such as supporting the Hawk synthetic training equipment at Indian Air Force Base Bidar
- Jaguar Simulator Upgrade to DARIN-II



CAE Oxford Aviation Academy Gondia

CAE Oxford Aviation Academy Gondia, a joint venture between the Airports Authority of India (AAI) and CAE, is one of 11 CAE Oxford Aviation Academy schools around the world. CAE Oxford Aviation Academy Gondia, also recognized as the National Flying Training Institute (NFTI), is a recently built and expanding state-of-the-art campus. It is in close proximity to the airport, and operates a modern fleet of training aircraft. With a capacity for 200 students per year, CAE Oxford Aviation Academy Gondia is the largest flight school campus in India. The school started operations after receiving Directorate General of Civil Aviation (DGCA) approval in 2009.

CAE Oxford Aviation Academy Rae Bareilly

CAE Oxford Aviation Academy Rae Bareilly, also called the Indira Gandhi Rashtriya Uran Akademi (IGRUA), is the Indian government's national flying institute and was established in 1985. Managed by CAE, the academy is dedicated to improving flight training standards and providing high-quality training to aspiring pilots from India and around the globe. The academy can accommodate approximately 300 cadets per year and operates a fleet equipped with the latest aircraft and flight training aids.

CAE Training and Services, Bangalore and Delhi

CAE's state-of-the-art training centre and the first independent pilot training centre in India, CAE Training and Services, Bangalore opened for flight training in 2009. The training centre is situated five kilometers from the new Bengaluru international airport and only 40 kilometres from downtown Bangalore. The training centre includes programs for Airbus A320 and Boeing 737 type-rating training. CAE Training and Services Delhi is a new training centre formed as a joint venture of CAE and InterGlobe that will open in India's Capital Region in 2013.

Helicopter Academy to Train by Simulation of Flying (HATSOFF)

HATSOFF is a joint venture between Hindustan Aeronautics Limited (HAL) and CAE. In 2010, HATSOFF began operations at a new helicopter training centre in Bangalore, India. The HATSOFF training centre includes a CAE-built full-mission helicopter simulator that features CAE's revolutionary roll-on/roll-off cockpit design, which enables cockpits representing various helicopter types to be used in the simulator.

The first training program offered at HATSOFF was for operators of the Bell 412 helicopter. This was followed in early 2011 by the civil/conventional variant of the HAL-built Dhruv helicopter - the first-ever simulator developed for the Dhruv and in 2012 by the Eurocopter Dauphin helicopter. The Bell 412, the Eurocopter Dauphin and civil/conventional variant of the Dhruv have all been certified to Level D, the highest qualification for flight simulators, by India's Directorate General Civil Aviation (DGCA). An additional cockpit for the Indian Army/Air Force variant of the HAL-built Dhruv will be added to the HATSOFF training centre in 2014.

CAE Simulation Technologies Private Limited

CAE Simulation Technologies Pvt Ltd., located in Bangalore, provides software development and testing services to CAE and other CAE global subsidiaries. More than 150 engineers and technical staff provide software development such as visual database development, aircraft systems, communication simulation, CAE STRIVE computer-generated forces scenario creation, and instructor operating station (IOS) development.



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